

## CHAPTER V: CONSULTATION AND COORDINATION

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## CHAPTER V: CONSULTATION AND COORDINATION

### 5.1 INTRODUCTION

This section summarizes the public and agency outreach BLM has engaged in as it has considered changes to the 1998 Northeast NPR-A ROD. This outreach occurred during both the Amended and Supplemental IAP/EIS processes. This outreach included keeping the public and agencies informed of the process and offered opportunities for the public and agencies to express their concerns and suggest how BLM should proceed. The section also identifies the individuals who prepared the Amended IAP/EIS and this supplement thereto.

### 5.2 AMENDED IAP/EIS

#### 5.2.1 Formal Scoping

The BLM published a Notice of Intent to Plan (Notice), and a Call for Nominations and Comments (Call), in the *Federal Register* on June 23, 2003, initiating the Amended IAP/EIS process. The Notice and Call asked the public to help BLM identify issues and resources relevant to planning for potential oil and gas leasing. The BLM also asked oil companies to identify their areas of interest within the planning area. The Notice and Call stated that the period during which comments would be taken on the proposal would be from June 23 through September 30, 2003. On September 15, 2003, BLM published a Notice of Extension that extended the period for accepting scoping comments until October 31, 2003. Comments on the proposal could be submitted in writing to the BLM Project Manager or via an interactive website (<http://nenpra.ensr.com>).

Public notices announcing the scoping period were placed in newspapers in or near locations where public meetings were held. These newspapers included the Anchorage Daily News (October 5 and 7, 2003), the Fairbanks Daily News Miner (October 5 and 8, 2003), and the Arctic Sounder (October 9, 16, and 23, 2003).

Six public scoping meetings were held throughout Alaska between October 7 and November 13, 2003. Meetings (and dates) were as follows: Anchorage (October 7), Fairbanks (October 8), Nuiqsut (October 15), Barrow (October 16), Anaktuvuk Pass (October 28), and Atqasuk (November 13). The scoping meetings were conducted in an open-house style. Informational displays were set up, and a formal presentation was given to provide the public with additional information on program goals and objectives. The formal presentation was followed by a public comment session. Written and oral comments were accepted at these meetings, and a court reporter prepared a transcript of the oral comments. A translator was also provided for the public meetings in Atqasuk, Anaktuvuk Pass, Barrow, and Nuiqsut.

In addition, informal public meetings were held in 2004 in Nuiqsut (January 19) and Barrow (January 26) to describe the range of alternatives.

### **5.2.2 Agency and Organization Meetings**

The BLM conducted a two-day workshop in Anchorage, on December 3-4, 2003, to describe and develop stipulations and Required Operating Procedures for use in the Northeast National Petroleum Reserve – Alaska (NPR-A). Attendees included representatives from Federal, state, and local agencies, and representatives from the village of Nuiqsut. In addition, BLM held ongoing discussions with numerous Federal, state, and local agencies and organizations.

### **5.2.3 Agencies and Organizations Contacted**

The following agencies and organizations were contacted during the Amended IAP/EIS process:

- **Federal Agencies**
  - Minerals Management Service
  - National Oceanic and Atmospheric Administration Fisheries Service
  - National Park Service
  - U.S. Army Corps of Engineers
  - U.S. Department of Energy
  - U.S. Environmental Protection Agency
  - U.S. Fish and Wildlife Service
  - U.S. Geological Survey
- **State of Alaska Agencies**
  - Department of Fish and Game
  - Department of Natural Resources
- **Municipal Governments**
  - City of Anaktuvuk Pass
  - City of Anchorage
  - City of Atkasuk
  - City of Barrow
  - City of Bethel
  - City of Fairbanks
  - City of Kaktovik
  - City of Nuiqsut
  - City of Point Hope
  - City of Wainwright
  - Native Village of Point Lay
  - North Slope Borough

The following is a partial list of organizations and officials who were notified that the Final Amended IAP/EIS was available for review and comment:

- **Organizations**
  - Arctic Slope Regional Corporation
  - Alaska Center for the Environment
  - Alaska Coalition
  - Alaska Conservation Foundation
  - Alaska Eskimo Whaling Commission
  - Alaska Miners Association

Alaska Oil and Gas Association  
Alaska Outdoor Council  
Alaska Wildlife Alliance  
Alyeska Pipeline Service Company  
Anadarko Petroleum Corporation  
ARCO Alaska  
Arctic Research Commission  
Arctic Slope Native Association  
Arctic Slope Regional Corporation  
Barrow Whaling Captains Association  
BP Exploration (Alaska), Inc.  
Bristol Bay Native Corporation  
Center for Biological Diversity  
Chevron USA  
ConocoPhillips Alaska Inc.  
Defenders of Wildlife  
Ducks Unlimited Inc.  
Evergreen Resources of Alaska  
Exxon  
Forest Oil Corporation  
Japan National Oil Corporation  
Kuukpik Corporation  
Marathon Oil Company  
National Audubon Society  
Natural Resources Defense Council  
Northern Alaska Environmental Center  
Resource Development Council  
Sierra Club  
Sun-West Oil and Gas Incorporated  
The Nature Conservancy  
Total E&P USA, Inc.  
Trading Bay Energy Corporation  
Ukpeagvik Iñupiat Corporation  
Unocal Oil and Gas Division  
Union Texas Petroleum Company  
Wilderness Society  
Wildlife Management Institute  
World Wildlife Fund

- **Elected Officials**

Governor of Alaska Frank Murkowski  
U.S. Senator Ted Stevens  
U.S. Senator Lisa Murkowski  
U.S. Representative Don Young  
Alaska State Senators  
Alaska State Representatives

#### **5.2.4 Government-to-Government Consultation**

The BLM consulted with federally-recognized tribes, consistent with the Presidential Executive Memorandum dated April 29, 1994, on Government-to-Government Relations with Native American Tribal Governments; Executive Order 13175 dated November 6, 2000, on Consultation and Coordination with Indian Tribal Governments; and the January 18, 2001, Department of the Interior – Alaska Policy on Government-to-Government Relations with Alaska Native Tribes. The BLM formally consulted with federally-recognized tribes in Alaska before taking action or undertaking activities that may have a substantial, direct effect on federally-recognized tribes, or their assets, rights, services, or programs. To this end, formal Government-to-Government consultation with the following federally-recognized traditional governments was initiated by written correspondence on August 27, 2003, prior to scoping for the amendment:

- Native Village of Anaktuvuk Pass
- Native Village of Atkasuk
- Native Village of Barrow
- Native Village of Nuiqsut
- Iñupiat Community of the Arctic Slope

The letter sent to all of the tribal governments described the proposed action, and invited the tribes to call if they had questions or wanted to set up individual meetings with the Authorized Officer of the BLM Northern Field Office (currently BLM's Fairbanks District Office). The letter also invited the tribal councils to attend the scoping meeting scheduled for their community. All tribal governments were called approximately two weeks after the letters were sent, in order to solicit questions or potential concerns, and to make sure that the information in the letter was received and understood.

In addition, BLM participated in a number of meetings with federally-recognized tribes and state and local governments in which the topic of the amendment was on the agenda. These meetings, which are listed below, include BLM Subsistence Advisory Panel Meetings, where each panel member is a representative of either a tribal or local government, as well as meetings with the NSB and the local communities of Nuiqsut and Barrow.

- Native Village of Nuiqsut Tribal Council, October 15, 2003 in Nuiqsut, Alaska
- Subsistence Advisory Panel, November 3, 2003 in Atkasuk, Alaska
- Native Village of Atkasuk, November 4, 2003 in Atkasuk, Alaska
- Native Village of Nuiqsut Tribal Council, Kuukpik Subsistence Oversight Panel, and the City of Nuiqsut, December 3-4, 2003 in Anchorage, Alaska
- Subsistence Advisory Panel, December 11, 2003 in Barrow, Alaska
- Kuukpik Subsistence Oversight Panel, January 19, 2004 in Nuiqsut, Alaska
- Native Village of Nuiqsut Tribal Council, January 20, 2004 in Nuiqsut, Alaska
- North Slope Borough, City of Barrow, and Native Village of Barrow, January 26, 2004 in Barrow, Alaska
- Subsistence Advisory Panel, March 16, 2004 in Nuiqsut, Alaska
- Kuukpik Subsistence Oversight Panel, March 18, 2004 in Nuiqsut, Alaska
- Subsistence Advisory Panel, June 10, 2004 in Barrow, Alaska
- Subsistence Advisory Panel, November 9, 2004 in Nuiqsut, Alaska

Comments and issues brought forward through consultation with Native tribal governments focused on the following topics: 1) the purpose and need for amending the 1998 Northeast IAP/EIS; 2) protection of subsistence resources; 3) anticipated levels of oil and gas and related activities (including seismic exploration) as a result of leasing new areas; 4) development of roads to villages and bridges across rivers and streams; 5) retaining the stipulations as they currently exist in the 1998 Northeast IAP/EIS ROD; 6) use of traditional knowledge in making decisions; and 7) local employment opportunities.

During consultation, tribal leaders made a few specific recommendations. These recommendations included making stipulations and ROPs more restrictive; protecting subsistence use areas and resources; limiting restrictions on access to subsistence areas near oil developments; making core calving areas and insect-relief areas for the Teshekpuk Lake caribou herd unavailable for leasing; protecting the primary migration route of the Teshekpuk Lake caribou herd, which is located between the eastern shore of Teshekpuk Lake and the coast; protecting goose molting areas; restricting shipping traffic in areas used by bowhead whales; protecting cabins and camps; seeking ways to increase employment opportunities with oil companies on the North Slope; and adequately addressing the health and social impacts of oil and gas leasing on the residents of the North Slope. All comments and recommendations were received verbally during meetings with individual tribal councils.

### **5.2.5 Public Review and Comment on the Draft Amended IAP/EIS**

The Notice of Availability (NOA) of the Draft Amendment to the Northeast National Petroleum Reserve-Alaska Integrated Activity Plan/Environmental Impact Statement (IAP/EIS) and the Announcement of Public Subsistence-Related Hearings Schedule was published in the Federal Register on June 9, 2004. The public comment period was originally scheduled from June 9, 2004, through August 8, 2004, however, it was extended through August 23, 2004. Public notices announcing the comment period were placed in newspapers with circulation in or near locations where public meetings were held. These newspapers included the Arctic Sounder (August 8 and 15, and October 28, 2004) and Tundra Drums (August 12 and November 11, 2004). Public service announcements were broadcasted on radio station KBRW from July 27 through August 17, and during late October through November 2004. The BLM issued a press release on June 9, 2004, notifying the public that the Draft Amended IAP/EIS was available for public review, and the schedule for public comment and ANILCA 810 subsistence hearings. Notices were posted at public gathering places in Nuiqsut, Barrow, Anaktuvuk Pass, and Atkasuk, all located on the North Slope of Alaska, and Bethel, Alaska, located on the Yukon Delta. Information on the Draft Amended IAP/EIS was also posted on the interactive website (<http://nenpra.ensr.com>). The public was able to access the website to download a copy of the Draft Amended IAP/EIS and provide their comments (including attachments). Comments and attachments posted to the website were incorporated into a database for later analysis by the core planning team.

Public and subsistence hearings were held in Anchorage on June 28, Fairbanks on June 29, Washington D.C. on July 1, Anaktuvuk Pass on August 3 and November 8, Nuiqsut on August 9 and December 1, Atkasuk on August 10 and November 4, Barrow on August 12 and November 5, and Bethel on August 17 and November 11, for the BLM to provide an overview of the alternatives and to take public comments and subsistence testimony. Over 214,660 comments were received on the Draft Amended IAP/EIS. These included letters, electronic mail, facsimiles, comments and attachments posted to the project website, and comments provided at the public hearings. A summary of the comments received and specific comments and responses

are presented in Volume II, Chapter 6, of the Final Amended IAP/EIS. All comment letters were reproduced on the CD located in the back pocket of Volume I of the Final Amended IAP/EIS.

## **5.2.6 Development of the Final Preferred Alternative**

After completion of the public hearings and closure of the public comment period, the core planning team, resource staff, and management met to review the comments and alternative proposals and to develop the BLM's final Preferred Alternative for the Final Amended IAP/EIS. Several alternative proposals were received. These included proposals to close or open additional areas to leasing and development; place greater or lesser restrictions on the types of activities allowed under stipulations and ROPs; and combine elements of two or more alternatives (e.g., select Alternative A, but replace the 1998 stipulations with stipulations and ROPs developed for Alternative B).

During the comment period on the Draft Amended IAP/EIS, the USFWS submitted a proposal that would have left approximately 296,000 acres northeast of Teshekpuk Lake unavailable to oil and gas leasing. The full text of the agency's letter can be read on the CD included with the Final IAP/EIS (see Comment Number 197619; U.S. Fish and Wildlife Service at Anchorage). This is an increase of 83,000 and 85,000 acres that would have been made unavailable for leasing as compared to Alternative B (Preferred Alternative in Draft Amended IAP/EIS; 213,000 acres unavailable for leasing; Map 2-2), and the final Preferred Alternative (Alternative D; 211,000 acres in Teshekpuk Lake unavailable for leasing; Map 2-4), respectively. The USFWS believed their proposal would provide additional protection for molting brant and other wildlife.

An alternative proposal was also submitted by ConocoPhillips Alaska, Inc. The full text of the company's letter can be read on the CD included with the Final IAP/EIS (see Comment numbers 196557 and 197611; ConocoPhillips Alaska, Inc.). Their proposal would have allowed for oil and gas leasing, exploration, and development within portions of the area closed to leasing under Alternative B. ConocoPhillips believed that their proposal would provide adequate protection for caribou and molting geese, while providing additional lands for oil and gas development.

The BLM took these proposals and other public comments into consideration when reviewing the alternatives developed for the Draft Amended IAP/EIS. Based on these comments, BLM developed a final Preferred Alternative (Alternative D) for the Final Amended IAP/EIS. This alternative allowed for some oil and gas development in the 213,000-acre no-lease area identified under Alternative B (Map 2-4). However, this alternative also provided protection for geese, caribou, subsistence, and other resources found to the north and east of Teshekpuk Lake, by prohibiting permanent oil and gas facilities (excluding pipelines and roads in some areas) on 374,000 acres (Alternative B protects 213,000 acres), and limiting the amount of development (maximum of 300 acres) that could occur within each of seven lease tracts to the north of the lake (Map 2-4). This alternative also deferred leasing of Teshekpuk Lake (211,000 acres). With the development of the final Preferred Alternative, BLM had developed a range of alternatives that encompassed the range of alternatives submitted by the public and agencies.



### 5.2.7 Development of the Record of Decision

The BLM received approximately 500 comments from the public following the Notice of Availability (January 28, 2005) of the Final Amended IAP/EIS. Many of the comments objected to the contents of BLM's Preferred Alternative as presented in the Final Amended IAP/EIS and restated arguments that were made by various organizations and individuals during the comment period on the Draft Amended IAP/EIS. The majority of the comments did not contain any recommendations for technical improvements of the document. However, BLM considered all of the comments received, including those from the NSB, the Kuukpik Corporation representing the City of Nuiqsut, and the Ducks Unlimited Pacific Region, which all contained various recommendations for changes to the Final Amended IAP/EIS Preferred Alternative. The ROD adopted clarifications and minor modifications to the Preferred Alternative in response to these comments. All of the modifications made in the ROD provided additional mitigation of the impacts of oil and gas activities on surface resources, thereby increasing the protection provided for important surface values in the planning area, including Special Areas.

## 5.3 SUPPLEMENTAL IAP/EIS

### 5.3.1 Development of the Draft Supplemental IAP/EIS

In undertaking a Supplemental IAP/EIS, BLM is not required to conduct formal scoping (40 CFR 1502.9(c)(4)). Nevertheless, in issuing a Notice of Intent to prepare the supplement on December 4, 2006, BLM invited the public to comment on issues of interest, and particularly sought recommended mitigation measures. The comments received expressed general support or opposition to leasing additional areas of the planning area (particularly north and east of Teshekpuk Lake) and to changes in the 1998 stipulations. They also offered suggestions for public health-related mitigation measures, changes to the management alternatives presented in the Amended IAP/EIS, and perspectives on post-Amended IAP/EIS events that should be considered in the Supplemental IAP/EIS. Finally, some letters cited recent studies that have provided fresh information for this Supplemental IAP/EIS. The following organizations/agencies submitted comments:

State of Alaska

Alaska Center for the Environment, Alaska Coalition, Alaska Wilderness League, Audubon Alaska, Natural Resource Defense Council, Northern Alaska Environmental Center, Sierra Club, The Wilderness Society, Trustees for Alaska, Center for Biological Diversity, Earthjustice (joint letter)

Anadarko Petroleum

ConocoPhillips Alaska, Inc.

Ducks Unlimited

North Slope Borough

U.S. Environmental Protection Agency

U.S. Fish and Wildlife Service

Western Arctic Caribou Herd Working Group

Wildlife Conservation Society

Wildlife Society

The BLM has taken the comments into consideration, including presenting in this supplement potential public health-related mitigation measures, assuring that the alternatives remain

adequate, revising the analysis to address events that have occurred since the Amended IAP/EIS, and incorporating information from recent studies in the analysis.

The BLM has updated and benefited from the advice of the Alaska Resource Advisory Council, a fifteen-member group representing a broad spectrum of Alaskan government, industry, and Native and environmental organizations at public meetings in December 2006 and May 2007 in Anchorage and February 2007 in Barrow.

The BLM has especially benefited from the participation of the North Slope Borough as a cooperating agency in the Supplemental IAP/EIS. The BLM and the NSB entered into a Memorandum of Understanding on January 17, 2007 that defined their respective roles and responsibilities in the IAP/EIS. The NSB has reviewed sections of the IAP/EIS as they have been produced and offered helpful corrections and suggestions for improvement, including suggestions for mitigation measures. The Borough has made an important contribution by developing the discussion on public health, a subsection not previously incorporated in BLM's NPR-A plans. (Although this document has benefited from the input from the many NSB specialists with extensive knowledge of the people, resources, and uses of the planning area, BLM bears ultimate responsibility for the Supplemental IAP/EIS).

The BLM initiated tribal consultation through letters sent to six tribes in December 2006. The letters were sent to:

- Native Village of Anaktuvuk Pass
- Native Village of Atkasuk
- Native Village of Barrow
- Native Village of Nuiqsut
- Native Village of Wainwright
- Iñupiat Community of the Arctic Slope

The letters to the tribes initiated government-to-government consultation and requested input particularly on measures that could reduce impacts to resources and uses that could be impacted by oil and gas activities. The tribes were invited to provide input not only during the initial commenting period, but throughout the planning process.

In a letter dated February 1, 2007, BLM reinitiated consultation with the Alaska SHPO as part of Section 106 consultation under the NHPA to determine how proposed industrial activities could impact cultural resources listed on or eligible for inclusion in the NRHP. Consultation with the SHPO is ongoing and will be completed by the time of the signing of the ROD. Formal consultation with the SHPO also may be required during permitting and NEPA review of individual oil industry proposals.

The BLM reinitiated consultation with the USFWS and NOAA Fisheries Service as required under Section 7 of the ESA with letters of March 20, 2007. The letters included a description of the supplement's contemplated actions, notified the agencies that BLM intends to prepare new Biological Assessments (BAs), and identified the threatened, endangered, and proposed species that the BAs would address. The BLM will prepare the BAs; the ROD will not be signed until the BAs are completed and consultation is concluded.

The BLM is consulting with the State of Alaska to ensure that the mandates of the CZMA are met. The required compliance documentation will be included in the Supplemental IAP/EIS ROD.

### 5.3.2 Development of the Final Supplemental IAP/EIS

The NOA for the Draft Supplemental IAP/EIS and the EPA's notice of the IAP/EIS's availability for comment were both published in the Federal Register on August 24, 2007, beginning the comment period. The original notice required that comments be received within 60 days, but the comment period was subsequently extended to November 6, 2007. Notice of the extension was published in the Federal Register on October 12, 2007. The BLM published a news release on August 20 announcing the issuance of the Draft Supplemental IAP/EIS and a newsletter, which described the IAP/EIS and provided information on public meetings and other means to submit comments. Public notices announcing the comment period were placed in newspapers with circulation in or near locations where public meetings were to be held. These newspapers included the Anchorage Daily News, Arctic Sounder, Fairbanks News-Miner, and Tundra Drums. Public service announcements were submitted to radio stations in Anchorage, Barrow, Bethel, and Fairbanks, and announcements were also made over shortwave radio in most, if not all, of the smaller North Slope communities. Flyers were provided in each North Slope community and in Bethel to notify residents of the meetings and the North Slope Borough provided additional notice and held meetings in the smaller communities within the Borough to help prepare residents for the meetings BLM held. The BLM also provided access to the Draft Supplemental IAP/EIS, other relevant documents, a schedule of the public meetings, and information on how to comment on its website.

Comments were able to be communicated by mail, hand delivery, fax, through a website form provided at BLM's website dedicated to the Supplemental IAP/EIS, and through public meetings. Public meetings were held in the following communities:

- Barrow, September 24
- Atkasuk, September 25
- Wainwright, September 26
- Anchorage, October 1
- Bethel, October 2
- Washington, D.C., October 4
- Anaktuvuk Pass, October 9
- Fairbanks, October 10
- Nuiqsut, October 11

The meetings in Barrow, Atkasuk, Wainwright, Anaktuvuk Pass, and Nuiqsut also served as hearings on subsistence pursuant to ANILCA Section 810. Approximately 146,400 communications were provided to BLM on the Supplemental IAP/EIS. For more extensive discussion of the nature of the comments as well as responses to the comments, see Chapter 6.

After closure of the comment period, the BLM considered the comments. Comments relevant to the alternatives, including the stipulations and ROPs, and the impacts of the alternatives were considered in developing a Preferred Alternative. Multidiscipline meetings of members of the planning team and management and, in some cases, representatives of the NSB discussed potential components of the Preferred Alternative. These discussions helped to shape a modified Alternative D that has been designated as the Preferred Alternative. Although the NSB participated in discussions regarding formulation of the Preferred Alternative, the final determination of the elements of the Preferred Alternative are the responsibility of the BLM and the Borough's participation does not indicate its implicit or explicit support for the Preferred Alternative.

## 5.4 LIST OF PREPARERS

### 5.4.1 List of Preparers of the Amended IAP/EIS

The following individuals participated in preparing the Amended IAP/EIS. The list of individuals includes the individuals' company/agency and role in the Amended IAP/EIS. Companies included ENSR International (ENSR); Booz, Allen, and Hamilton (BAH); LGL Alaska Research Associates, Inc. (LGL); Northern Economics, Inc. (NEI); Planera, Inc. (Planera), and Stephen R. Braund and Associates, Inc. (SRBA). Bureau of Land Management offices included the Alaska State Office (ASO) and the Northern Field Office (NFO; currently the Fairbanks District Office). MMS specialists were located in Anchorage.

- Anderson, Kimberly (ENSR; Technical Writer)
- Armstrong, Gary (BAH; Alternatives Development Specialist)
- Baldvieso, Alan (SRBA; GIS Specialist)
- Banet, Art (BLM-ASO; Coal Resources and Seismic)
- Berg, William (ENSR; Geology and Oil and Gas Exploration and Development)
- Berry, Robert (ENSR; Water Resources)
- Bibles, Dean (BAH; IAP/NEPA Advisor)
- Bisson, Henri (ASO; BLM State Director)
- Braund, Stephen (SRBA; Cultural Resources and Subsistence)
- Brelsford, Taylor (BLM-ASO; Sociocultural Economist)
- Brumbaugh, Rob (BLM-ASO; Physiography)
- Burden, Patrick (NEI; Economics)
- Childs, Susan (BLM-ASO; BLM Project Manager)
- Craig, Jim (MMS; Petroleum Geology, Oil and Gas Assessment, and Oil and Gas Exploration and Development Activities)
- Cuyno, Leah (NEI; Economics)
- Delaney, Roger (BLM-NFO; Recreation and Wilderness Resources)
- Dougherty, Sean (BAH; GIS Specialist)
- Ellsworth, Steven (ENSR; Assistant Project Manager)
- Erickson, Ara (ENSR; Editor and Document Production)
- Fechhelm, Robert (LGL; Fisheries)
- Flaming, Barry (ENSR; Soil, Sand, and Gravel)
- Flora, Susan (BLM-NFO; Hazardous Materials)
- Funk, Dale (LGL; Vegetation and Wetlands and Floodplains)
- Gilders, Michelle (LGL; Terrestrial Mammals)
- Goodwin, Randy (BLM-NFO; Off Highway Vehicles and Recreation)
- Grover, Elizabeth (SRBA; Section 106 Consultation and Subsistence)
- Hammond, Tim (BLM-NFO; GIS Specialist)
- Haskell, Sean (LGL; Caribou Biology)
- Hilsinger, Erik (SRBA; Traditional Knowledge and Subsistence)
- Huebner, Darek (BLM-NFO; Soils, Gravel, and Physiography)
- Kasterin, Mike (BLM-ASO; Socioeconomics)
- Kemnitz, Richard (BLM-NFO; Water Resources)
- Kelly, Lon (BLM-ASO; Recreation)
- King, Robert (BLM-NFO; Cultural Resources and Paleontological Resources)
- Kirschbaum, Sara (BAH; GIS Specialist)
- Kleven, Mike (BLM-NFO; Northern Field Office Environmental Planning Coordinator)
- Kosnik, Kristine (BLM-NFO; GIS Specialist)

- Koss, Lee (BLM-ASO; Air Quality and Soils)
- Kunz, Michael (BLM-NFO; Cultural Resources and Paleontological Resources)
- Long, Alissa (ENSR; Wetlands)
- McCaa, Craig (BLM-NFO; Public Affairs Specialist)
- McClain, Holli (BLM-NFO; Visual Resources)
- McIntosh, Stacie (BLM-NFO; Cultural Resources, Subsistence, and ANILCA 810 Analysis)
- Meares, Don (BLM-NFO; Physiography, Sand and Gravel, Oil and Gas Exploration-Environmental Status)
- Mundy, Nancy (NEI; Economics)
- Munson, Kim (ENSR; Paleontology)
- Nigro, Debbie (BLM-NFO; Avian Species and Threatened and Endangered Species)
- Nordmann, Jerry (BLM-NFO; Lands/Realty)
- Paulson, Merlyn (ENSR; Visual Resources)
- Paulus, Stuart (ENSR; Project Manager)
- Payne, John (BLM-ASO; Threatened and Endangered Species)
- Randall, Valerie (ENSR; NEPA Specialist)
- Rodrigues, Robert (LGL; Avian Biology Specialist)
- Scheetz, Vince (ENSR; Air Quality)
- Schneider, Robert (BLM-NFO; NFO Director)
- Servoss, Shawn (BLM-NFO; GIS Specialist)
- Sharpe, Margaret (ENSR; Editor)
- Strom, Bernhard (Planera; Realty, Land Use, Transportation, and Recreation)
- Thomas, Jane (ENSR; Petroleum Engineering and Spills and Hazardous Materials)
- Tol, Dennis (BLM-ASO; Fisheries)
- Whitman, Mathew (BLM-NFO; Fisheries)
- Williams, Michael (LGL; Marine Mammals)
- Wilson, Curt (BLM-ASO; Chief Planner/Environmental Coordinator)
- Wolf, Janet (ENSR; Public Participation)
- Worley, Mike (BLM-NFO; Lands/Realty)
- Worthey, Marshall (BAH; GIS Specialist Public Lands)
- Yokel, Dave (BLM-NFO; Terrestrial Mammals and Vegetation)

#### 5.4.2 List of Preparers of the Supplemental IAP/EIS

The following individuals have participated in preparing the Supplemental IAP/EIS. The list of individuals includes the individuals' institutional affiliation and role in the Supplemental IAP/EIS. The institutions include the Bureau of Land Management (BLM), primarily its Alaska State Office (AKSO) and Fairbanks District Office (FDO), and the North Slope Borough (NSB).

- Archer, Scott (BLM-Denver Service Center; Meteorology and Climate, Air Quality)
- Ardizzone, Chuck (BLM-AKSO; Subsistence, Sociocultural Systems, Environmental Justice, ANILCA 810)
- Ashley, Noah T., Ph.D. (NSB; Wildlife Biologist)
- Bacon, Joshua (NSB; Biologist)
- Brumbaugh, Robert (BLM-AKSO; Petroleum Resources, Sand and Gravel Resources, Oil and Gas scenario)
- Capps, Julie (BLM-AKSO; Mapping)

- Diel, Bill (BLM-AKSO; Oil and Gas scenario)
- Delaney, Roger (BLM-FDO; Recreational and Wilderness Resources)
- Ducker, James, Ph.D. (BLM-AKSO; IAP/EIS Planning Leader, Special Areas)
- Flora, Susan (BLM-FDO; Hazardous Materials )
- George, Craig (NSB; Wildlife Biologist)
- Gibson, Caron (BLM-AKSO, Technical Editor)
- Hamfler, Cindy (BLM-FDO; Mapping)
- Hanns, Cyd (NSB; Wildlife Research Specialist)
- Harvey, Susan (NSB; Consultant)
- Hollen, Bruce (BLM-AKSO; Birds, Mammals, BLM Special Status Species)
- Hughes, Layla (NSB; Assistant Borough Attorney)
- Kasterin, Mike (BLM-AKSO; Economy)
- Kelly, Lon (BLM-FDO; Arctic Field Office Manager)
- Kemnitz, Richard (BLM-FDO; Water Resources, Wetlands and Floodplains)
- King, Robert, Ph.D. (BLM-AKSO; Paleontological Resources, Cultural Resources)
- Kleven, Mike (BLM-FDO; Fairbanks IAP/EIS Planning Coordinator)
- Kosnik, Kristine (BLM-FDO; Mapping)
- Koss, Lee (BLM-AKSO; Soils Resources)
- Kunz, Mike, Ph.D. (BLM-FDO; Paleontological Resources, Cultural Resources)
- Lavin, Susan (BLM-AKSO; Land Ownership, Land Uses)
- Lohman, Tom (NSB; Environmental Resource Specialist)
- Lonnie, Thomas R. (BLM-AKSO; State Director)
- Holli McClain (BLM-FDO; Outdoor Recreation Planner)
- McIntosh, Stacie (BLM-FDO; Subsistence, Sociocultural Systems, Environmental Justice, ANILCA 810)
- Nigro, Debbie (BLM-FDO; Birds)
- Overbaugh, Bill (BLM-AKSO; Recreational and Wilderness Resources)
- Pederson, Michael (NSB; Subsistence Research Coordinator)
- Person, Brian, Ph.D. (NSB; Wildlife Biologist)
- Rosa, Cheryl, Ph.D., DVM (NSB; Research Veterinarian)
- Schneider, Robert (BLM-FDO; District Manager)
- Standley, Jeanne (BLM-AKSO; Vegetation)
- Standley, Larry (BLM-AKSO; Physiography, Soils Resources, Water Resources, Wetlands and Floodplains, Coastal Zone Management)
- Suydam, Robert (NSB; Wildlife Biologist)
- Svejnoha, Wayne (BLM-AKSO; Hazardous Materials)
- Taylor, Carol (BLM-AKSO; Coastal Zone Management)
- Theisen, Skip (BLM-FDO; Wildland Fire)
- Tol, Dennis (BLM-AKSO; Fish)
- Wernham, Aaron, M.D. (NSB; Consultant\Physician)
- Whitman, Matthew (BLM-FDO; Fish)
- Worley, Mike (BLM-FDO; Land Ownership, Land Uses)
- Yokel, Dave, Ph.D. (BLM-FDO; Vegetation, Terrestrial Mammals)